



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

"Rockford Region Agricultural Field Investigation Report"

File: Birchen Farms, Inc.
County: Stephenson
Date: March 1, 2013
Facility Address: 4809 Stone Church Road
Pearl City, IL 61062
Township: Jefferson
Receiving Stream: East Plum River
Legal ID: SW/24/26N/5E
Lat-Long: 42.229 Lat, -89.879 Long

Permit No.: ILA010080

Persons Interviewed: Rod Birchen Exemption 6 and Exemption 7(C)
Andy Birchen Exemption 6 and Exemption 7(C)

Others Present: Chris West, P.E., Engineer/Consultant
Amy Hernandez, Environmental Compliance Supervisor

Weather: 20's, clear

INTRODUCTION

This visit was made at the request of USEPA/Region 5 to inspect this CAFO facility within the five-year NPDES permit cycle. This facility received its permit December 30, 2010. Rod and Andy Birchen represented the dairy facility and accompanied the inspection. Engineering consultants for the facility, Chris West and Amy Hernandez, also were in attendance for the meeting. The inspection began at 12:45 PM.

NPDES PERMIT EVALUATION

General NPDES Permit ILA010080
Issued October 20, 2009, Effective October 20, 2009
Expires September 30, 2014

Special Condition 3: Discharge Limitations

No discharges were observed during the inspection.

Special Condition 4: Nutrient Management Plan

Birchen has a CNMP which was in the process of being updated by the consultants who were present during the inspection.

Animal inventory in the CNMP listed 775 mature milking animals, 49 dry cows, 120 dairy heifers, and 240 dairy calves. The facility produces 6.886 MG of liquid dairy manure annually. The facility has 5.823 MG of storage capacity which calculates to 309 days of production.

The feed storage area is contained with a 187,000 gallon earthen basin.

Soil tests for the application acres were being updated. The present tests were dated 2009. Approximately 1100 acres are included in the CNMP for the manure applications. Barry and Anthony Manthei are the custom manure applicators. Liquid manure is direct injected except for a small amount that may be topdressed on hay acres. A flow meter is used during the application. Approximately 12,000 gallons is applied per acre. The nutrient analysis of the manure was: 18.4% TKN, 9.2% NH₄, 9.2% Organic N, 5.4% P₂O₅, and 19.1% K₂O.

The Birchen Dairy field (75 acres) Musser Farm-North Field (45 acres) had elevated phosphorus soil tests (150-230 lbs/acre). Rod's Home Farm (97 acres) had a number of soil tests in excess of 300 lbs/acre phosphorus.

Setbacks were noted for the tributaries and nearby potable wells.

Mortality is disposed of by a local rendering service.

The revised CNMP is due in April before the spring manure applications are made. An electronic copy will be furnished to IEPA/Permits and also to IEPA/Rockford Regional Office upon completion by the Frank & West consultants.

Special Condition 5: Spill Control and Prevention Plan and Releases

Birchen Dairy owns a large trackhoe, a large endloader and several skidloaders should a manure release occur.

Barry and Anthony Manthei were listed as custom applicators.

No releases were reported since the permit was issued by IEPA and on December 30, 2010.

Special Condition 6: Storm Water Management Plan

An area of interest during the inspection involved:

1. A small area regarding a large plastic silage bag that appeared to be uncontained once it was opened. A small containment berm was recommended for this area.

2. Raw milk is loaded onto semi-tankers north of the milking barn in an exposed environment. It was pointed out to the Birchens and their consultants that there is a need to contain a possible spill or milk release in this area. This request will be addressed in the revised CNMP.

Special Condition 7: Monitoring, Recordkeeping and Reporting Requirements

Frank & West is under contract to submit this information to IEPA. This is required to be submitted March 15th of each year for the duration of the permit. Individual items required to be reported were reviewed by the group. Forms for the facility to keep track of this information are furnished by Frank & West Consulting.

Special Condition 10: Construction Site Activities

Birchen Dairy is contemplating an expansion. Another dairy freestall barn is planned as is another earthen storage basin. The group was reminded of the required NPDES storm water permit before construction starts if the construction project equals or exceeds an acre.

Special Condition 15: Duty to Maintain Permit Coverage

Birchen and his consultants anticipate that they will petition out of permit coverage during the 180-day window before permit expiration.

Special Condition 16: Modification to the Nutrient Management Plan

Frank & West is contracted to make annual changes to the CNMP in the event of crop rotation changes, application areas, etc. Those revisions will be sent to IEPA/WPC Permit Section.

FACILITY DESCRIPTION

A walk around the dairy facility was made and photographs taken. A large 31,000 ft² concrete slab was added in late 2012 for stacking semi-solid manure at the east end of the freestall barns. The sand settling trench was replaced by a concrete channel that is designed to recapture the majority of the sand in the manure before it enters the storage basin. Birchen reported that approximately 8 ft. of sand was removed from the entire storage structure after the liquid fall applications were completed. The sand/manure was surface applied by facility owned equipment to available crop acres. The task took several weeks to complete.

All the manure stacked on the concrete slab is designed to drain into the 8 ft x 8 ft x 7 ft concrete channel. The settled sand is mechanically removed by a skidloader and stacked on concrete on either side of the channel. The sand-laden manure is land applied periodically.

The staff gauge is located in the west end of the storage basin.

Baby calves are housed in three hoop structures located south and west of the milk barns. Chopped straw is used for bedding in these barns.

The feed storage area is contained with the construction of a 187,000 gallon leachate storage pond. The large concrete and asphalt floored silage bunkers all drain toward the storage pond.

A six-bay commodity shed is located adjacent to the silage bunkers. It is the area where feed is mixed for the various dairy livestock. This area also has the leachate storage pond.

Two large plastic silage bags containing wheatlage were located adjacent to the Stone Church roadway and west of the silage bunkers. The exposed runoff appeared to be contained.

A small portion to the south would be uncontained if the bag were opened. An earthen berm was in place next to the road ditch the length of the bag but the south end did not have proper containment protection. A small containment berm was suggested for this area.

Another area observed during the walk around inspection involved the potential spill of milk during the loading of the semi-trailers north of the milk barn. A design improvement for containing such a spill will be included in the revised CNMP.

The small livestock facility located south of the dairy, Exemption 6 and Exemption 7(C) [REDACTED] was evaluated by the group. The combination earthen feedlot/pasture is sometimes used to house dairy heifers. This facility was vacant at the time of this inspection. A small tributary runs through this facility making it challenging to be in compliance. The facility is within 1/4 mile of the main dairy and probably considered to be part of the milking facility because of its close proximity.

It was decided at this meeting to leave this facility idle until an engineering design could be offered to contain the wastewater production from this facility location.

SUMMARY

The exit interview reviewed the two uncontained areas:

1. The small area on the south end of the wheatlage bag.
2. The area where the milk tankers are loaded in case of a spill.

Birchen Farms, Inc. - Stephenson County
March 1, 2013
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A storm water permit will probably be necessary if more than an acre of soil is disturbed during the expansion construction. A construction permit will need to be issued by the Dept. of Agriculture prior to construction.

The heifer facilities Exemption 6 and Exemption 7(C) will be left vacant until wastewater improvements are designed and implemented for that location.

The inspection adjourned at 3:45 PM.



Lee Heeren, Ag Specialist

LH/svf

Attachments:

Maps
Livestock Facility Inspection Checklist
3560 Form
Photos

cc: DWPC/FOS and Records Unit
Rockford Region

Birchen Farms, Inc.

**EPA**

United States Environmental Protection Agency
Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5 3 1 L A 0 1 0 0 8 0	11 12 1 3 0 3 0 1	17 18 C	19 S	20 3	
Remarks					
21					
66					
Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved	
67 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 69	70 <input type="checkbox"/>	71 <input type="checkbox"/>	72 <input type="checkbox"/>	73 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	74 75 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) Birchen Farms, Inc. 4809 Stone Church Road Pearl City, IL 61062	Entry Time/Date	Permit Effective Date 10/20/2009
	Exit Time/Date	Permit Expiration Date 9/30/2014
Name(s) of On-Site Representative(s)/Title(s)/ Phone and Fax Number(s) Andrew Birchen, ^{Exemption 6} Operator - ^{Exemption 6 and Exemption 7(C)}	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Rod Birchen, ^{Exemption 6 and Exemption 7(C)} Owner - ^{Exemption 6 and Exemption 7(C)}		
Contacted <input type="checkbox"/> Yes <input type="checkbox"/> No		

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Operation & Maintenance	<input type="checkbox"/> Storm Water
<input checked="" type="checkbox"/> Records/Reports	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Combined Sewer Overflow
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Sanitary Sewer Overflow
<input type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Pollution Prevention	<input type="checkbox"/> MS4

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation Codes, as necessary)

SEV Codes

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SEV Description

Name(s) and Signature(s) of Inspector(s) Lee Heeren	Agency/Office/Phone and Fax Numbers IEPA / DWPC / FOS-Rockford 815/987-7760 FAX 815/987-7005	Date 4-5-13
Signature of Management Q A Reviewer [Signature]	Agency/Office/Phone and Fax Numbers IEPA / DWPC / FOS-Rockford 815/987-7760 FAX 815/987-7005	Date 4.11.13

cc: BOW-FOS / Records Unit



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Livestock Facility Inspection Checklist

GENERAL INFORMATION

TYPE OF INSPECTION:

☒ CAFO ☐ COMPLAINT ☐ RECONNAISSANCE ☐ ERU FOLLOW UP ☐ OPERATOR REQUEST ☐ OTHER

FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.)

Birchen Farms, Inc.

INSPECTION DATE

3-1-13

ARRIVAL TIME

12:45 PM

ADDRESS

4809 Stone Church Road

LATITUDE (Decimal)

N42.229

LONGITUDE (Decimal)

W -89.879

DEPARTURE TIME

3:45 PM

CITY

Pearl City

STATE

IL

ZIP CODE

61062

INSPECTOR(s)

Lee Heeren

ACCOMPANIED BY (if applicable)

COUNTY

Stephenson

SECTION

24

TOWNSHIP

26N

RANGE

5E

POLITICAL TOWNSHIP

Jefferson

TEMPERATURE

20's

PRECIPITATION TYPE

None

Facility Owner(s):

Exemption 6 and Exemption 7(C)

NAME

Rod Birchen

CONTACTED

☒ YES ☐ NO

PHONE

Exemption 6 and Exemption 7(C)

MOBILE

ADDRESS

Exemption 6 and Exemption 7(C)

CITY

STATE

ZIP CODE

NAME

CONTACTED

☐ YES ☐ NO

PHONE

MOBILE

ADDRESS

CITY

STATE

ZIP CODE

Facility Operator(s):

Exemption 6 and Exemption 7(C)

NAME

Adam Birchen

CONTACTED

☐ YES ☒ NO

PHONE

MOBILE

Exemption 6 and Exemption 7(C)

ADDRESS

Exemption 6 and Exemption 7(C)

CITY

STATE

ZIP CODE

NAME

Andy Birchen

CONTACTED

☒ YES ☐ NO

PHONE

MOBILE

Exemption 6 and Exemption 7(C)

ADDRESS

Exemption 6 and Exemption 7(C)

CITY

STATE

ZIP CODE

NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)

1. What type of NPDES permit has been issued?

☐ Individual NPDES Permit

☒ General NPDES Permit

NPDES #

ILA010080

2. What date was the NPDES permit issued? **10-20-2009**

3. What date does the NPDES permit expire? **9-30-2014**

4. Is a copy of the NPDES permit onsite?

☒ YES

☐ NO

5. Permitted number of animals (no. & specie)? **824 mature dairy animals**

6. Does the NPDES Permit contain a compliance schedule?

☐ YES

☒ NO

7. Have there been any changes made to the production area since the permit was issued?

☒ YES

☐ NO

If "YES", provide a detailed description of those changes.

CNMP was updated by consultant (Frank & West) in February 2013.

LAND APPLICATION/NUTRIENT MANAGEMENT

1. How many TOTAL acres are available for land application? <u>1100</u> acres		
2. How many acres are READILY available for land application at the time of inspection? <u>1100</u> acres		
3. Estimated annual quantities of liquid waste <u>6.8 MG</u> gallons		
4. Estimated annual quantities of solid waste _____ tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: <u>Barry and Anthony Manthei</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input type="checkbox"/> Umbilical Injection <input checked="" type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input checked="" type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____		
7. Does the facility calibrate the land application equipment? If "YES", What method is used? Flow meter	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain	<input type="checkbox"/> YES	<input type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

LIVESTOCK FACILITY DESCRIPTION

Type of Animals	Number of Animals (currently)	Animal Capacity	Type of Confinement	Number of Structures
DAIRY MILKING	775		OPEN CONFINEMENT BUILDING	2
DAIRY DRY	49		OPEN CONFINEMENT BUILDING	1

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)?	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan?	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO
If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review?	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below. None	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO

LIVESTOCK WASTE STORAGE

1.	Does the facility have any existing livestock waste containment system? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If NO, then proceed to question 10.
2.	General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas). Earthen storage basin #1 (284' x 204' x 14') 3.343 MG Earthen storage basin #2 (silage leachate) 187,000 gallons Concrete stacking slab - 31,000 ft2

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input checked="" type="checkbox"/> Holding Pond	3.343 MG and 187,000 gal
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input type="checkbox"/> Below Ground Storage Tank	
<input type="checkbox"/> Settling Basin	
<input checked="" type="checkbox"/> Roofed Storage Shed	3 hooped structures for baby calves
<input checked="" type="checkbox"/> Concrete Pad	31,000 ft² used to stack semi-solid manure
<input type="checkbox"/> Impervious Soil Pad	
<input type="checkbox"/> Underfloor Pits	
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☒ YES ☐ NO

4. Are levels of manure in the storage structures recorded and records kept? ☒ YES ☐ NO

5. Do the storage structures have adequate freeboard? ☒ YES ☐ NO

6. Estimated final stage storage structure freeboard _____ in. of total depth _____ in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO

8. Are the routine visual inspections documented? ☒ YES ☐ NO

9. Does the system have an outfall or discharge point? ☐ YES ☒ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).
None

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:
1. Small area beside a plastic silage bag that was unopened.
2. Area where bulk milk semi tankers are loaded.

MORTALITIES MANAGEMENT

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)
Rendering service

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?
☒ Overflow waters ☐ Tip Tanks ☐ Nipple waters ☐ Water Bowls ☐ Other _____
2. How is the water for animals obtained?
☐ Community PWS ☒ On-Site Well ☐ On-Site Impoundment ☐ Other _____
3. Is a mist cooling system used? ☒ YES ☐ NO
How is mist water contained?
Drains into the earthen storage basin

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? 3
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).
Used for drinking water for milking animals.
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.
Drains into the earthen storage basin.
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.
Semi-tankers are loaded direct and washed at the processing plant.
5. Describe where process wastewater from the plate cooler goes and how it is contained.
Uses a plate cooler which goes to drinking fountains.

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.
Sand used for dairy freestall barns.
2. Describe how bedding is collected and how often.
Chopped straw for hooped buildings for calves is collected 2x/year.
3. What is done with the used bedding? ☐ Reused ☒ Land Applied

MANURE COLLECTION

1. How is manure collected?

- ☐ Under Floor Pit
☒ Scraped: ☐ Automatic ☒ Manual
☐ Flush
☐ Solids Separator
☐ Other: _____
☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

None**FEED STORAGE CONTAINMENT**

1. Describe how feed (silage, hay, etc) is contained.

- ☒ Bulk Bins
☒ Silage Pit
☒ Ag Bags
☒ Hay: ☒ Barn ☐ Outdoor
☐ Other: _____

2. Describe how feed (silage, hay, etc) runoff is contained.

- ☐ Not Applicable – Feed totally enclosed
☒ Other: **Drains into 187,000 gal. earthen storage pond**
☐ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.

South 1/4 mile to unnamed tributary which flows to the East Plum River approx. 2-3 miles.

2. What is the name of the receiving stream?

East Plum River3. Status of the named surface water: ☐ Intermittent ☒ Perennial4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NOIf "YES", provide a description of the deposits: **None**

DISCHARGES

1. Have there been any documented discharges of livestock waste to surface water <i>in the past year?</i> If "NO" proceed to question 2.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
a. If "YES", specify the date(s). _____		
b. What was the reason for the discharge?		
c. Was the discharge the result of a 25 year-24 hour rainfall event?		
d. What was the precipitation amount? (<i>if applicable</i>)		
e. Was IEMA notified of the discharge?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", describe actions taken: None		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
a. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
b. What was the precipitation amount? (<i>if applicable</i>)		
c. What is the reason for the discharge?		
d. Were water quality samples taken?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
e. If "YES", how many? _____		
f. What parameter(s) tested? <input type="checkbox"/> pH <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Phosphorus <input type="checkbox"/> BOD ₅ <input type="checkbox"/> Total Susp Solids <input type="checkbox"/> Fecal <input type="checkbox"/> Diss O ₂ <input type="checkbox"/> Other _____		

BIOSECURITY – Inspection Activities

1. Were biosecurity measures discussed with the facility prior to inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
2. Has there been 24-hours downtime between inspections for all IEPA personnel present?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
3. Was the order of inspection conducted from high risk to low risk?	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
4. Did all personnel stay outside livestock management and livestock waste handling facilities as defined in 35 IAC 501.285 and 35 IAC 501.300? If "YES" skip to question 7.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

BIOSECURITY – Personal Protection Equipment

5. Was sanitary footwear donned prior to entering the livestock management/waste handling facility(s)?	<input checked="" type="checkbox"/> N/A Did not Enter	<input type="checkbox"/> YES	<input type="checkbox"/> NO
6. Were disposable coveralls donned prior to entering the livestock management/waste handling facility(s)?	<input checked="" type="checkbox"/> N/A Did not Enter	<input type="checkbox"/> YES	<input type="checkbox"/> NO
7. Was sanitary footwear used during the inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
8. Was disposable sanitary outerwear disposed at the facility?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	

BIOSECURITY – Vehicle

9. Was the vehicle parking location discussed with the facility prior to inspection?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Was the vehicle washed since the inspection prior to current? If "YES" skip question 11.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
11. Was the vehicle parked >300-feet from the livestock management/waste handling facility? Explain where vehicle was parked: In the main driveway next to the office.	<input type="checkbox"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
12. Was IEPA vehicle used on site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
13. Was facility vehicle used on site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

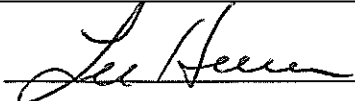
BIOSECURITY – Inspection Equipment

14. Was all equipment wiped down with anti-bacterial wipes?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
15. Was sample cooler kept inside vehicle during inspection? If "YES" skip question 16.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Was sample cooler wiped down with antibacterial wipes before placing back into vehicle?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO

OTHER COMMENTS/NOTES

See accompanying narrative and photos

Check all attachments: ☒ Narrative ☒ Photos ☐ Site Plan ☐ Sample Results

INSPECTOR'S SIGNATURE**REPORT DATE****3-1-13**

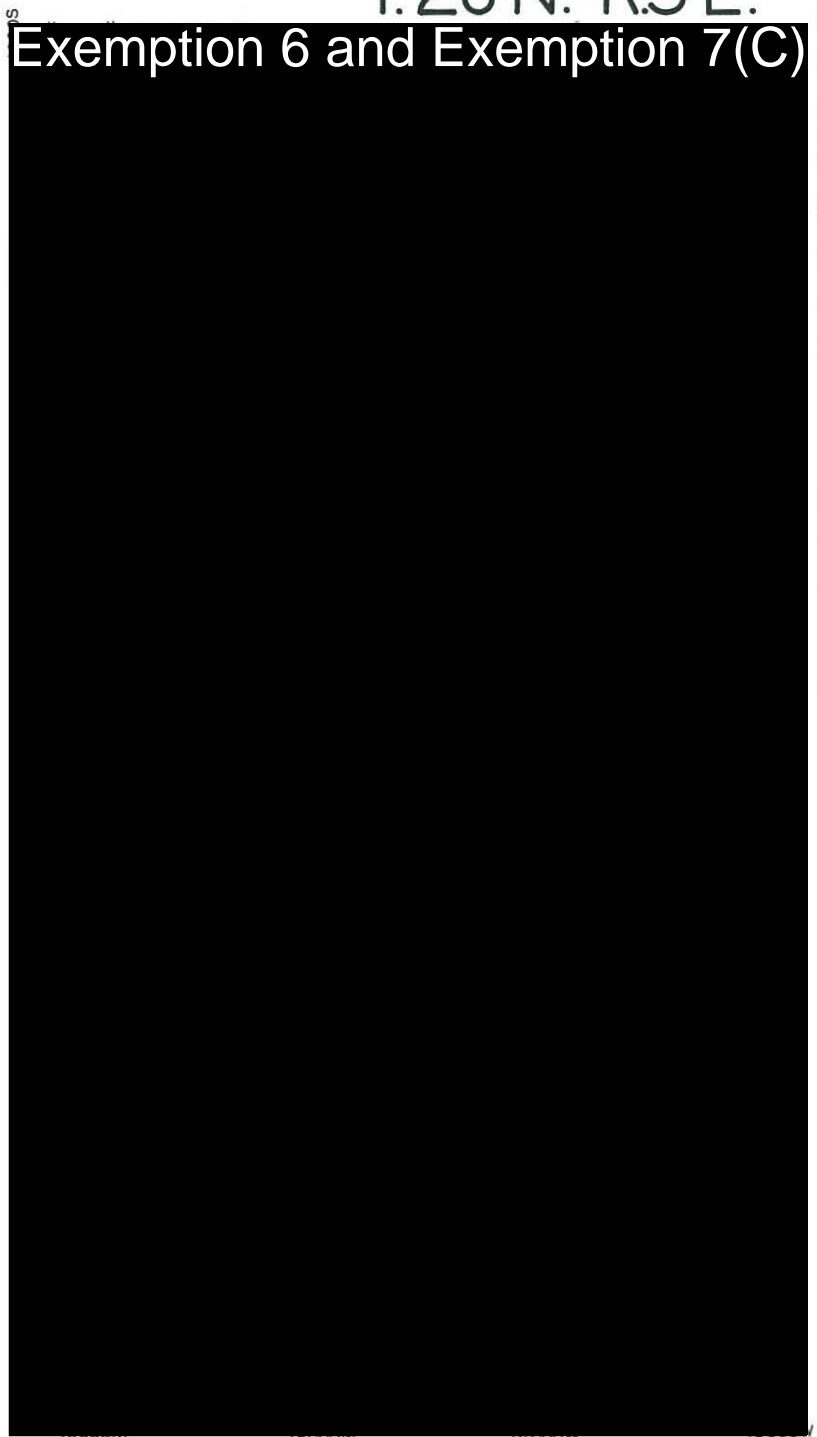
Cc: BOW/DWPC/RU

Attachments: _____
Revised March 2012

4 JEFFERSON

T.26 N.-R.5 E.

Exemption 6 and Exemption 7(C)



16000W

15000W

14000W

**West Point
Mutual Insurance Co.**

Fire • Wind • Liability • Crop Hail • Auto



DONALD REES, Secretary
JAMES RADERS, Agent

Phone: (815) 369-4225

Fax: (815) 369-2059

102 East Railroad Street - Lena, Illinois 61048

Heimerdinger Farm - NW/22/26N/05E

Rod Birchen Farm - SW/24/26N/05E

MAHONEY & HAUSER

Attorneys at Law

Serving The Community For Over 40 Years

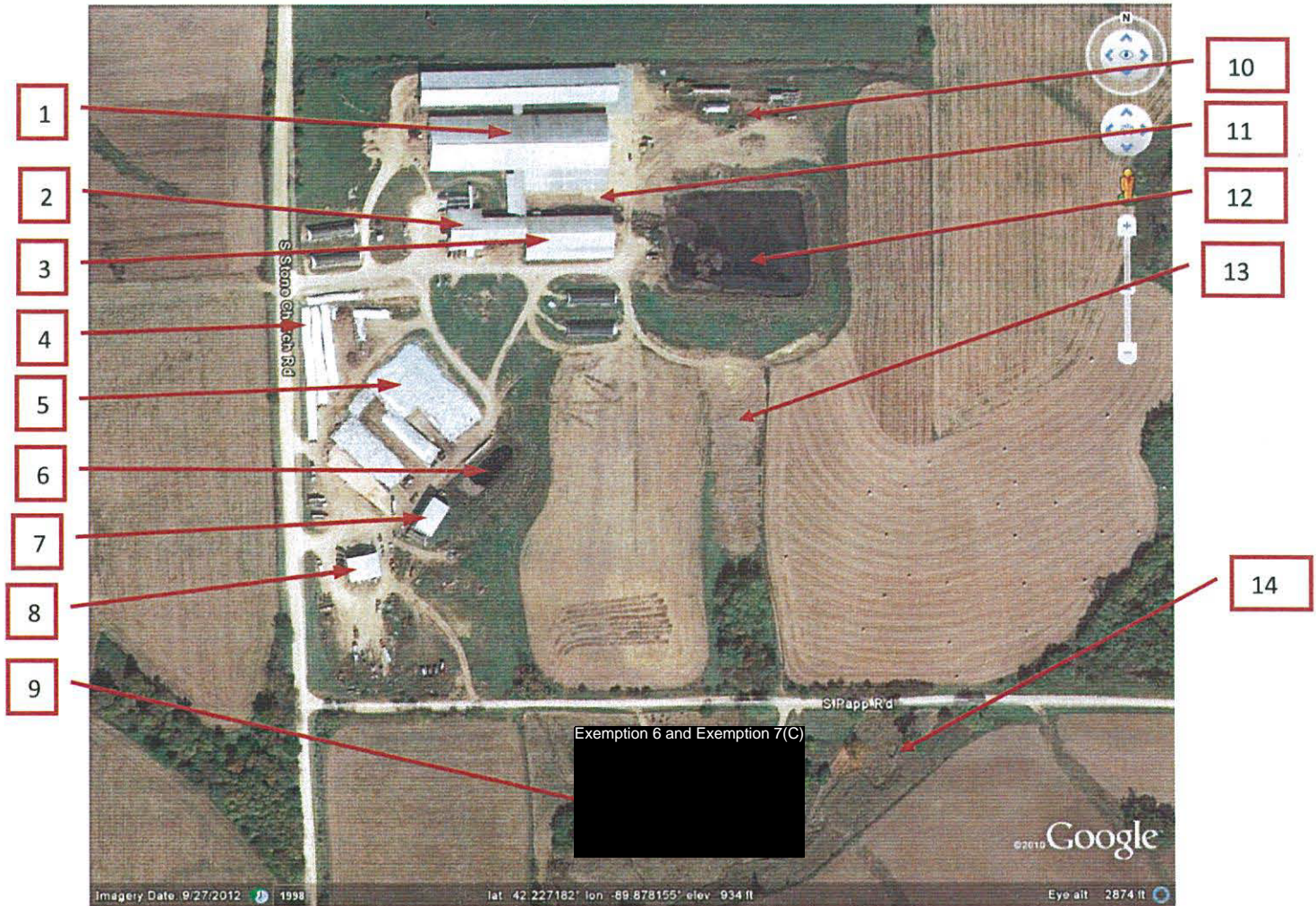
RICHARD J. HAUSER JR. FRANCIS X. MAHONEY TIMOTHY S. MAHONEY

Personal Injury Family Law/Divorce Workers Compensation Wills and Estates

235 ▲ 1515



BIRCHEN FARMS, INC., 4809 STONE CHURCH ROAD, PEARL CITY, ILLINOIS
3-1-2013



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Map Point	Description
1	Sand bedded freestall dairy barns
2	Milking parlor and office
3	Special needs barn
4	Plastic silage bags
5	Bunker silos
6	187,000 gallon leachate storage basin
7	Commodity shed
8	Machine shop
9	Unused exposed feedlot Exemption 6 and Exemption 7(C)
10	Future site for a future freestall barn expansion
11	Concrete solid manure stacking area
12	284 ft X 204 ft X 14 ft earthen basin manure storage
13	Future site for a 284 ft X 150 ft X 14 ft earthen basin manure storage
14	Unnamed tributary that flows to East Plum River located approx. 2 miles SW